Liaison Work Agreement between the
Distributed Management Task Force (DMTF) and the
OASIS Web Services Distributed Management (WSDM) TC
Version 1.0

1) Organization Mission Statements

DMTF: To lead the development of management models and infrastructure standards for distributed desktop, network, enterprise and Internet environments

OASIS WSDM TC: To define web services management, including using web services architecture and technology to manage distributed resources. This TC will develop the model of a web service as a manageable resource, and will collaborate with various other standards groups, including, but not limited to: DMTF (working with its technical work groups regarding relevant CIM Schema and WBEM infrastructure standards), GGF (on the OGSA common management model and OGSI / grid infrastructure), and W3C (the web services architecture committee).

The DMTF membership is primarily technology companies addressing the creation of interoperable management technologies and standards. OASIS TCs are a forum of individual representatives from technology companies and researchers working on distributed web services computing, resource sharing, and provisioning.

2) Benefits of a Liaison Relationship

- Injection of differing model, infrastructure and service perspectives, and technical and marketing resources in both the DMTF and WSDM working groups
- Creation of a unified CIM management model for industry-wide use
- Coordination of development processes and priorities between the WSDM and DMTF, ensuring that the DMTF modeling standards address web services technology needs, that the DMTF WBEM activities are aligned with and can effectively utilize the WSDM specifications, and that the WSDM specifications address management using and management of web services.
- Sharing of web services and management technologies, expertise and competencies
- Education on web services and WSDM TC participation at the DMTF Global Management Conference and technical meetings
- Education on WBEM and CIM, and DMTF participation at OASIS conferences.

3) Brief Description / Scope of Liaison Activity:

The purpose of this Work Agreement is to provide a formal channel for the DMTF and OASIS to collaborate, communicate and coordinate management modeling, infrastructure and services in support of grid technologies. Both organizations would provide

requirements input, modelling and service proposals, and standards review feedback to the other. The liaison relationship would cross-leverage each organization's domain expertise, wherein DMTF is responsible for distributed management infrastructure and resource modeling (i.e., the CIM Schema and WBEM infrastructure), and OASIS WSDM TC is the peer organization responsible for management using web services, and management of web services.

As the figure below illustrates, it is important for several of the industry organizations, working in the web services space, to collaborate. This agreement addresses the specific liaison relationship between the DMTF and OASIS. Both the DMTF and OASIS will work to ensure that the other standards are used as building blocks (versus defining alternatives), wherever possible.
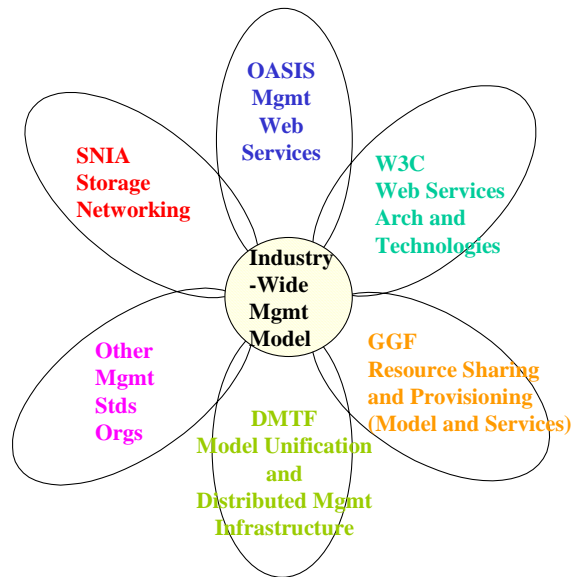
Figure 1. Collaboration for Industry-Wide Management

Alignment is needed between the OASIS WSDM Management Of Web Services (MOWS) and Management Using Web Services (MUWS) activities, and the efforts of the following Working Groups of the DMTF:

- CIM-Based Web Services efforts, defined in the Application Working Group
- CIM System and Devices Working Group, related to resource sharing and provisioning

- WBEM Interoperability Working Group, related to eventing and infrastructure modeling, and extending the WBEM management infrastructure to utilize web services.

In particular, OASIS web service standardization for resource sharing and provisioning will be cross-leveraged in DMTF's CIM and WBEM standards, with CIM Schema definitions utilized and extended by WSDM requirements.

Model extensions will be submitted to DMTF, while recommendations related to management of and management using web services will be submitted to OASIS. Figures 2 and 3 show a high-level process flow each of these activities.
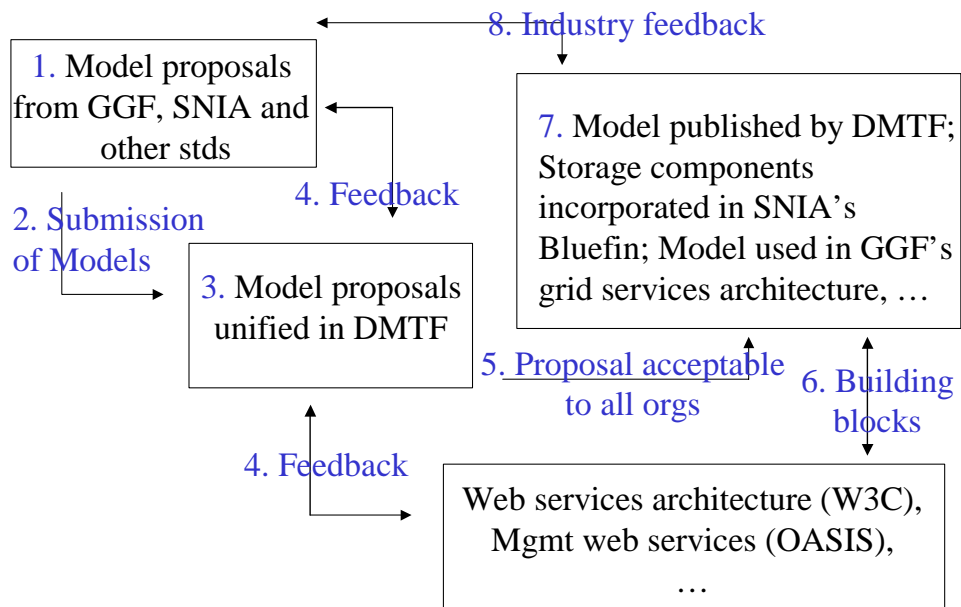
8. Industry feedback

1. Model proposals from GGF, SNIA and other stds

7. Model published by DMTF; Storage components incorporated in SNIA's Bluefin; Model used in GGF's grid services architecture, …

4. Feedback

2. Submission of Models

3. Model proposals unified in DMTF

5. Proposal acceptable to all orgs

6. Building blocks

4. Feedback

Web services architecture (W3C), Mgmt web services (OASIS), …

Figure 2. Web Services Model Unification Process

8. Industry feedback

1. Service Proposals from OASIS, SNIA, DMTF, and other stds

7. Provisioning services published by GGF; Model/ infrastructure implications published by DMTF and OASIS; Storage implications defined in SNIA's Bluefin; …

4. Feedback

2. Submission of Services

3. Service Proposals unified in GGF

5. Proposal acceptable to all orgs

6. Building blocks

4. Feedback
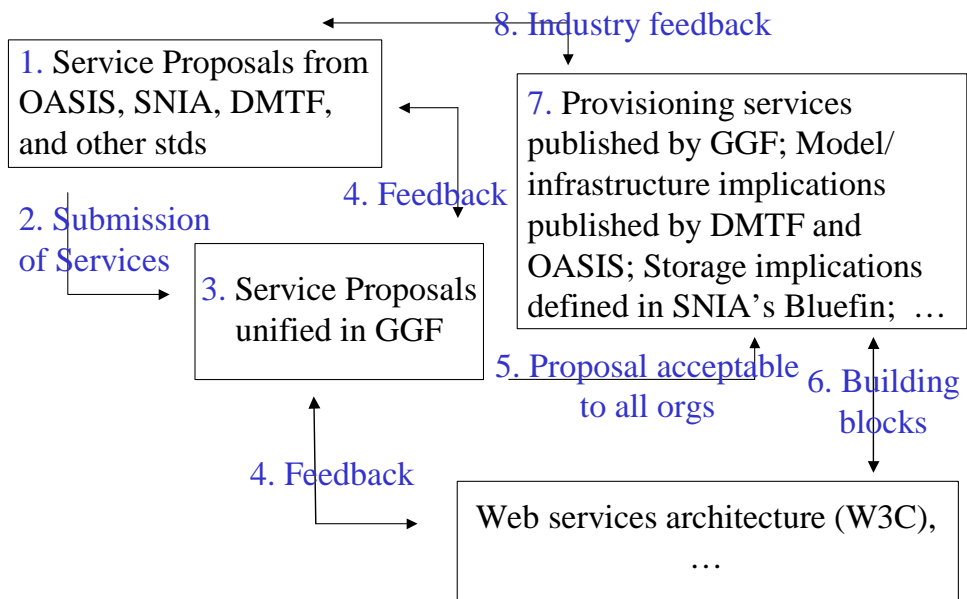
Web services architecture (W3C), …

Figure 3. Management Using Web Services Unification Process

4) Short-Term Activities
   - DMTF design assistance to OASIS related to modelling of the management of Web Services
   - OASIS assistance to DMTF in extensions of the CIM Schema for management of web services
   - DMTF participation in OASIS WSDM discussions on management Using Web Services (MUWS)
   - OASIS WSDM assistance to DMTF regarding OGSI, to provide background and requirements related to WBEM infrastructure
   - Other activities to be defined after broader discussions between OASIS and DMTF personnel

5) Resources Identified / Points of Contact:

   - Within the OASIS WSDM TC
     Heather Kreger – WSDM TC Co-Chair <need emails>

   - Within the DMTF
     Winston Bumpus, President, president@dmtf.org
     Andrea Westerinen, Vice President of Technology, vp-technology@dmtf.org